

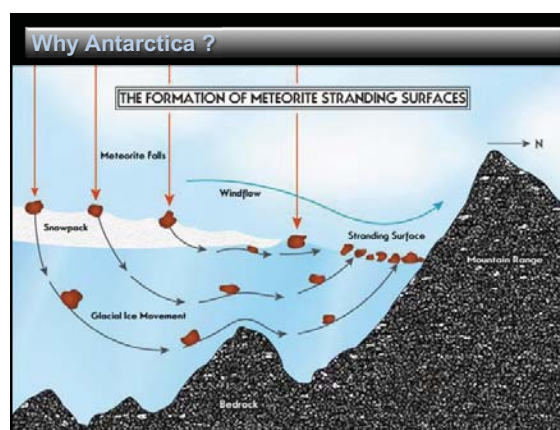
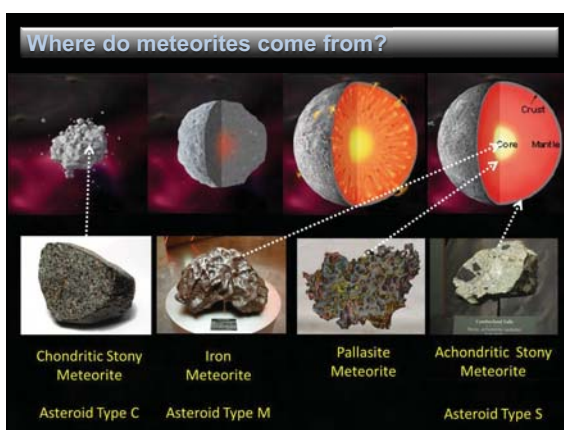


### What is ANSMET?

1969: Japanese explorers find 5 different kinds of meteorites on blue ice near Yamato Mountains

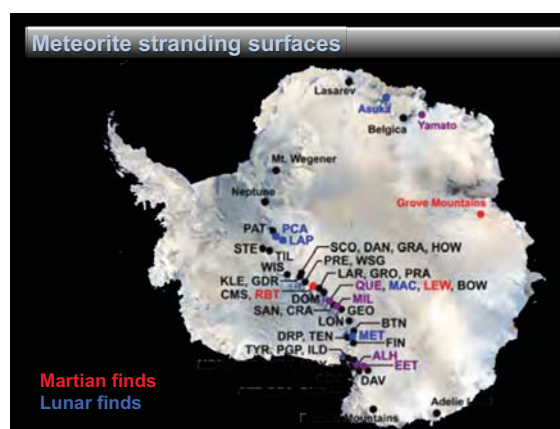
1976: Bill Cassidy gets NSF support for meteorite expedition within reach of the U.S. base at McMurdo

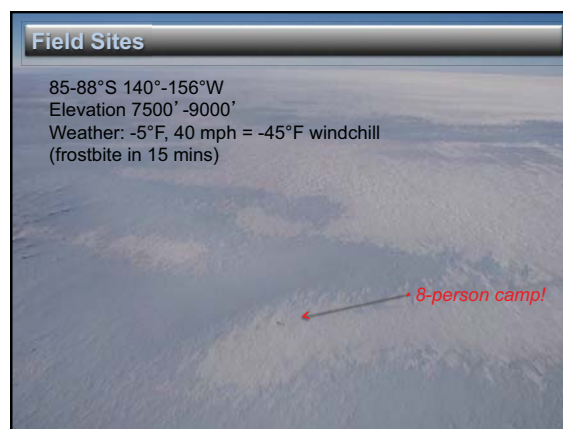
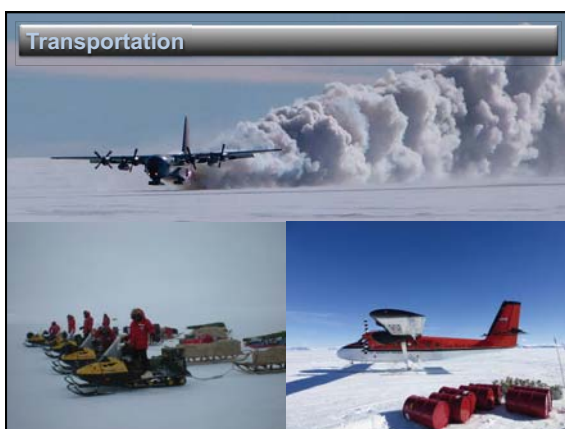
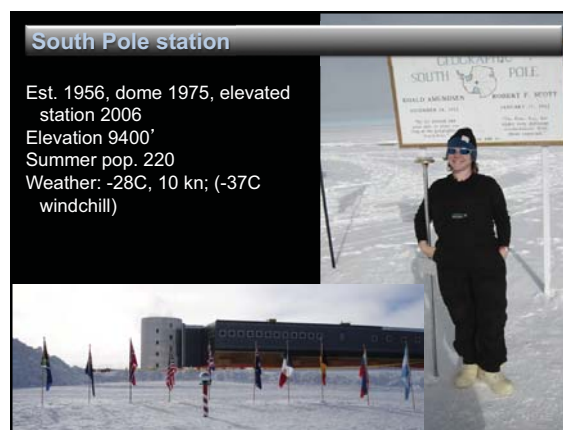
85% of the world collection is Antarctic  
ANSMET has recovered >25,000 meteorites



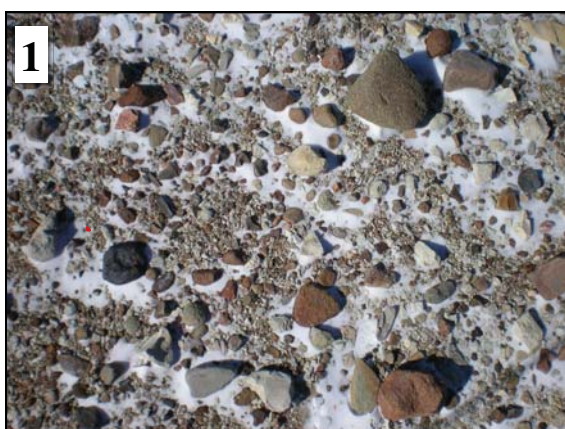
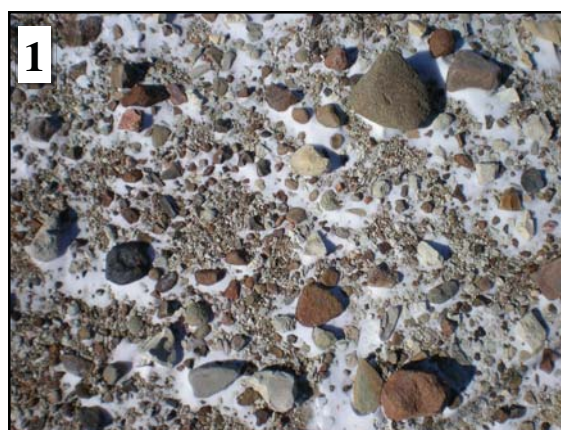
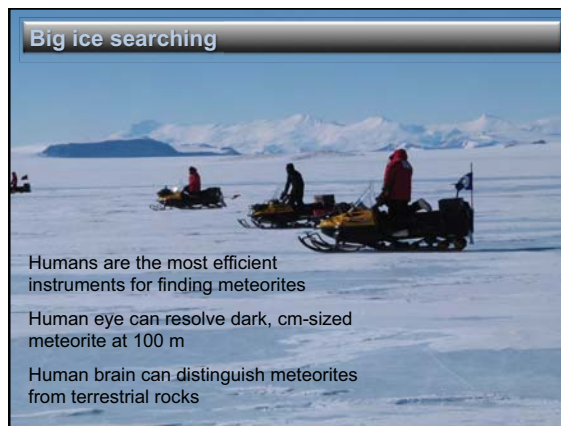
### The U.S. in Antarctica

- Permanent US Bases at Palmer Station, McMurdo Station, South Pole Station
- 2 research vessels
- ~10 seasonal outposts
- Many field camps



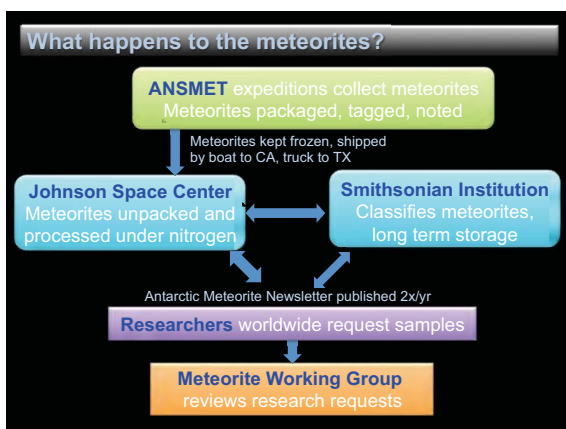
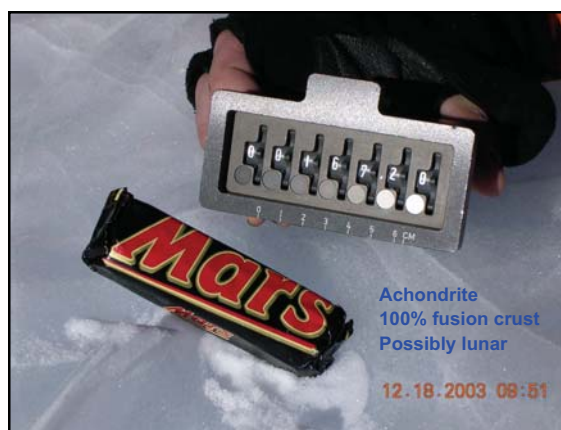












### Antarctic meteorites are...

- The most pristine collection in the world
- The most accessible collection in the world - loaned to researchers in many countries
- The most diverse collection in the world - many samples of every type

- An important source of planetary samples, particularly from Moon and Mars



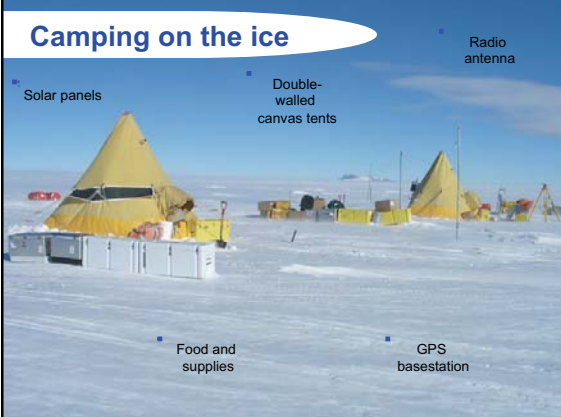
**“If you’ve done ANSMET, you’ve done long duration space flight.”**

~ Don Pettit, ANSMET veteran and three-time Space Shuttle and International Space Station crew member.

harsh, isolated, dangerous,  
small quarters, limited  
communication



### Camping on the ice



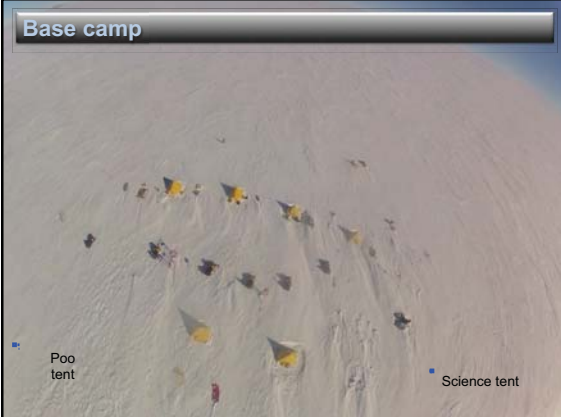
- Solar panels
- Double-walled canvas tents
- Radio antenna
- Food and supplies
- GPS basestation

### Base camp



- Propane (heat & cooking)
- Skidoo fueling
- Solar panels

### Base camp



- Poo tent
- Science tent

### What we eat



**Breakfast:** oatmeal, dried & canned fruit

**Lunch:** sandwiches, english muffins fried in butter, instant soup

**Snacks:** trail mix, crackers, cookies, granola bars, lots of chocolate

**Dinner:** frozen vegetables, tofu, boxed pasta & rice mixes, curry, stirfry

**Drinks:** hot chocolate, tea, juice boxes, Raro (NZ Koolaid) – melt our own water!

### Waste management



